

## Antenna Sample Datasheet

customer:	Shanghai Eviot Intelligent Technology Co., LTD
entry name:	OT70A-L
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A13
Date:	2024. 11. 29

# Contents

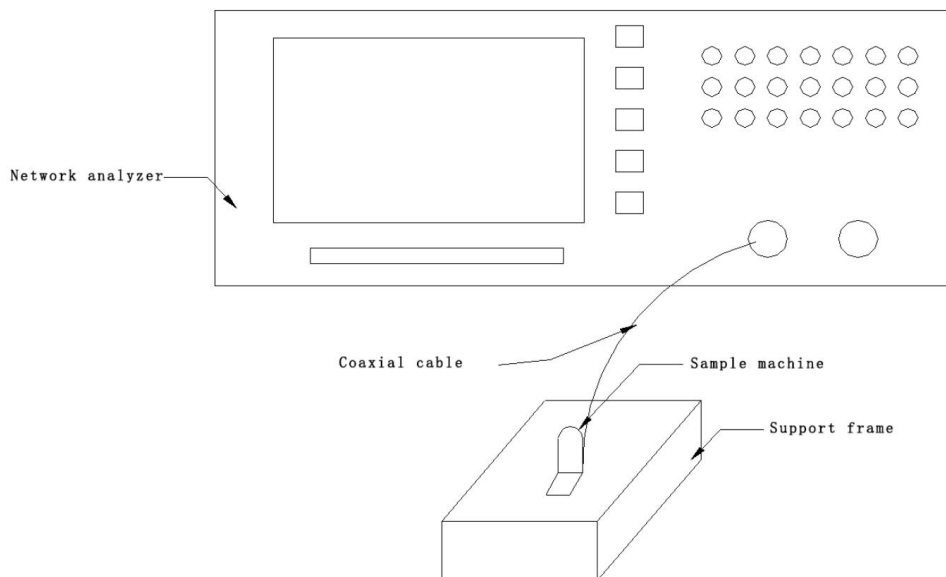
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## 1: Antenna test equipment

List of meters: Agilent 5071B;



### 1.1 The principle diagram of the ETS anechoic chamber



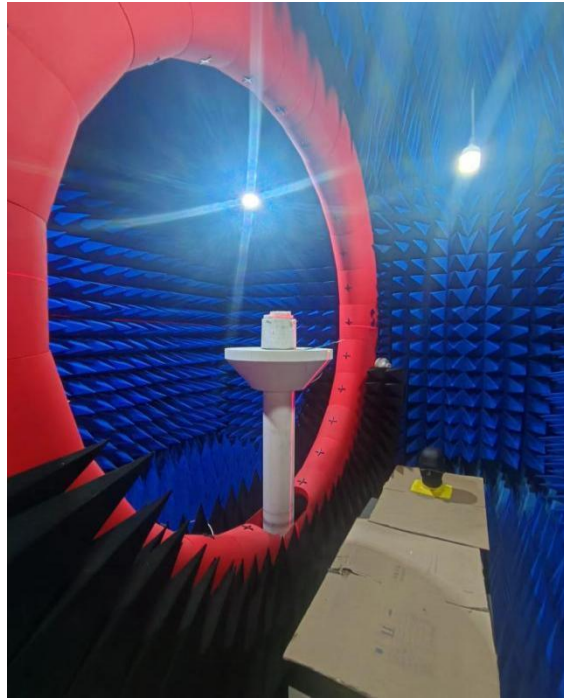
Picture1. Antenna static test connection method

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## 1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

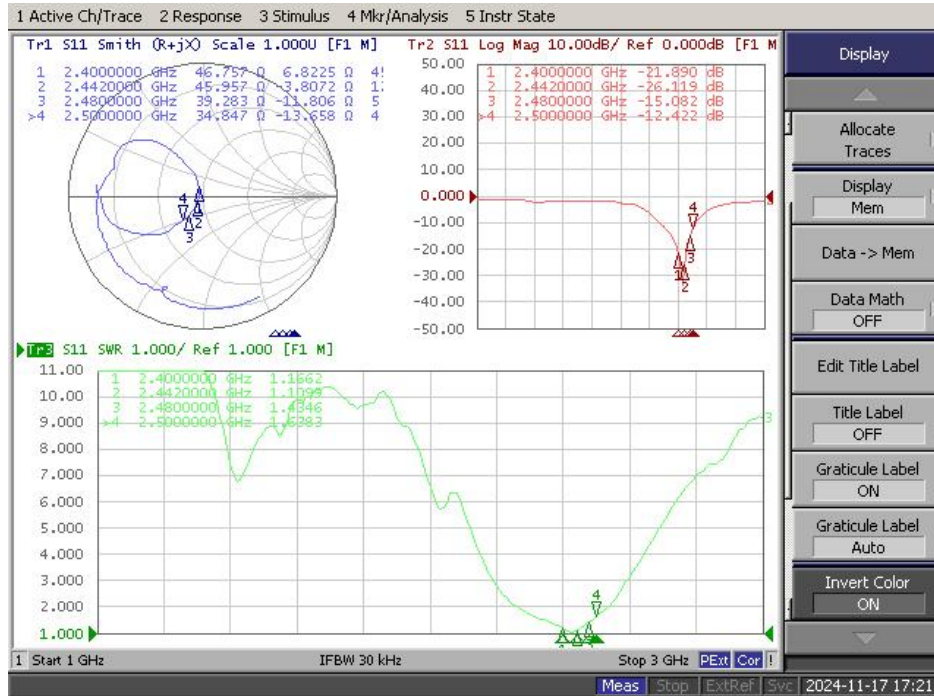
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## 2: Passive test report

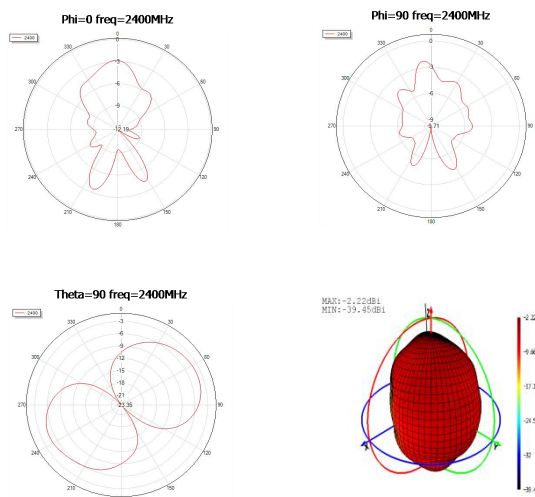
### 2.1: BT antenna S11 parameters



## 2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-2.22	27.86
2410	-2.28	27.96
2420	-2.17	27.73
2430	-1.98	28.92
2440	-1.90	29.21
2450	-1.86	28.20
2460	-2.05	26.85
2470	-2.06	25.06
2480	-1.89	23.62
Mean value	-0.93	21.98

## 2.3: Passive pattern of BT antenna

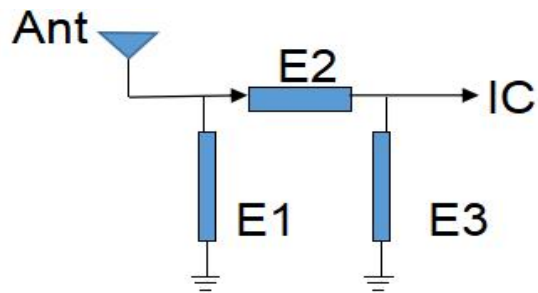


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### 3: Matching circuit



Element	Value
E1	0.5PF
E2	0Ω
E3	N/C

## 4: Structural drawing

